

From: Dunsmuir, Steven P <Steven.Dunsmuir@exeloncorp.com>
Sent: Sunday, October 22, 2006 4:52 AM
To: Ray, Howie <u001fhr@ucm.com>; Krejsa, John <u999j5k@ucm.com>;
O'Rourke, John F. <t925jfo@ucm.com>
Subject: Trench prep, test, and 1-8 sump report.

10/21/06

Preparing Drywell liner surface for UT thickness reading.

5 (under ladder)

Surface had traces of a red primer and gray sealant layer. Bare metal had a light oxide layer and areas of light to moderate pitting. 80 grit "tiger paw" discs and angle grinder were used to remove paint and oxide layers. In areas of pitting no attempt was made to clean out or "chase the pits". Areas were left in a condition suitable for UT testing.

17D

Upper surface near "plug weld" was prepared to white metal prior to our arrival.

Under this area is the area we were tasked to prep. The first foot or so had a simple grey epoxy type paint coating and seam to be relatively fresh. This area was cleaned to white metal in less than five minutes. Below this area was a baked on two layer coating. This section was very tough to clean and took over one hour to prep.

Photographed prepped area .

K:\Drywell\1R21 Drywell Pictures\DW 13 ft Core Bore Preps

Prep time approx 3:15 and 80 mr per worker.

10/22/06

HEPA Vacuum test

Entered drywell to continue HEPA Vacuum timed test.

Found test was invalid HEPA unit top was not placed back on unit properly. Vacuum was not functioning. Measured level in vacuum tank at 2 5/8" emptied vacuum tank.

Water level in test trench (core bore) was 18 1/2" measured from top surface of the concrete. Over a 40 min period there was no change in this level.

Placed top back on empty vacuum unit. Place hose back in trench restarted vacuum and stopwatch also marked time with phone system time at 10:56 pm

Trough Levels:

Marked 4 test points around trench A, B, C, D clockwise from door way with C being to the left of 1-8 sump. A Dry, B 1/16", C 1/2", D Dry.

Dose 22mr

Test 2

Entered Drywell Checked Trench (core bore) Dry and Vacuum still running.

Shutdown vacuum and stop watch 3:23:13. Measured water in vacuum tank 1 1/4"

After 15 min checked trench level was at 20" a thumb sized puddle of approx 2 or 3 oz.

OCLR00014454

Restarted vacuum and stopwatch, vacuum tank was NOT emptied.
1-8 Sump level was measured @ 13" deep.

Trough levels:

A Dry, B 1/16, C 2", D 1/16

Photos of feeder holes to the 1-8 sump are at:

K:\Drywell\1R21 Drywell Pictures\1R21 DW 1-8 Sump

In the photos you can see the holes thru the trough into 1-8 sump. What appears to be gaps between concrete and drain to sump can be seen.

Point of interest:

In the trough to the very right of data point C (to the left of the sump) a area of loose aggregate was noticed. When probed with the ruler, the loose material is about 2" deep. I tested the right side of the sump and found a matching hole / pit. This could be from original construction chipped out and not refilled when fitting the sump liner.

Dose 20 mr

Vacuum information:

Minuteman 85 Model 801085 Serial # W8010850829 Rad con # V-29 inside diameter
15 3/8"

Steve Dunsmuir
FIN/Operations RO

OCLR00014455

From: Quintenz, Tom <u777teq@ucm.com>
Sent: Wednesday, February 1, 2006 5:02 PM
To: Muggleston, Kevin <u999kpm@ucm.com>; Beck, George <u998g0b@ucm.com>
Cc: Polaski, Frederick W <u000fwp@ucm.com>; Warfel Sr, Donald B <u001dbw@ucm.com>; Fuhrer, Edwin C <n5917@ucm.com>; Miller, Mark A. -PE <u001mam@ucm.com>
Subject: RE: RAI regarding corrosion of carbon steel mechanical components in containment atmosphere

At this time the monitoring and limits for Oxygen are dictated by Technical Specifications, and Operating Procedures. Technical Specifications would limit Oxygen Levels to less than 5%.

-----Original Message-----

From: Muggleston, Kevin
Sent: Tuesday, January 31, 2006 4:35 PM
To: Beck, George
Cc: Polaski, Frederick W; Warfel Sr, Donald B; Quintenz, Tom; Fuhrer, Edwin C; Miller, Mark A. -PE
Subject: RAI regarding corrosion of carbon steel mechanical components in containment atmosphere

Action Required: Yes

Recommendation: Meeting prior to NRC call

Draft RAI D-RAI 3.4-4 challenges our position regarding corrosion of carbon steel surfaces of mechanical components inside containment subject to the inert environment. The staff acknowledges the cited past precedence, but requests additional justification, such as "monitored data from the Oyster Creek containment nitrogen environment to indicate that the free oxygen levels have been continuously maintained below threshold levels and would continue to be maintained during the period of extended operation." I am not aware of any "threshold levels" for oxidation. NRC is requesting additional justification, or a commitment for a one-time inspection.

Ed Fuhrer has identified several instances of carbon steel surface corrosion in the RBCCW system inside containment. It may be appropriate to respond based on OE, and offer a one-time inspection of RBCCW system components.

In any event, we need to discuss as a group before the NRC call, as I need direction on how we want to respond to this question.

OCLR00013629